

ICOM

RECEIVER UNIT

UX-R91A

UX-R91E

INSTRUCTIONS

Thank you for purchasing the **UX-R91A/E RECEIVER UNIT**.

Use this optional unit with the **IC-901A/E** for receiving on the MW, VHF and UHF bands. The unit also makes possible FM stereo reception.

Please read the IC-901A/E instruction manual regarding installation, connection and operation.

RECEIVING NOTE

1. Regulation

Information overheard but not intended for you cannot lawfully be used in any way.

2. Squelch setting

The IC-901A/E squelch threshold point is fixed between 520 kHz and 137.00 MHz when the UX-R91A/E is connected, even if the squelch indicator changes when the squelch switch is pushed.

In addition, the speaker jacks on the UX-R91A/E rear panel emit audio output constantly regardless of squelch settings on the MW (520 kHz ~ 1630 kHz) or FM (76 ~ 108 MHz) band.

3. Unwanted signal emissions

As the UX-R91A/E is designed for receiving within a wide-band frequency range, the receiver may emit its own oscillated frequency from the speaker, resulting in no reception or noise only reception on some frequencies.

4. Wide-FM signal receiving

The received sound will be distorted when receiving signals with a wide frequency deviation such as signals from TV stations. However, this is normal since the UX-R91A/E is designed to receive narrow FM signals that are higher than 137.00 MHz.

SPECIFICATIONS

		MW BAND	VHF BAND				UHF BAND	
FREQUENCY COVERAGE		520 kHz }	76.00 MHz }	108.00 MHz }	137.00 MHz }	200.00 MHz }	300.00 MHz }	800.00 MHz }
		1630 kHz	108.00 MHz	137.00 MHz	200.00 MHz	236.00 MHz	500.00 MHz	950.00 MHz
MODE		AM	WIDE-FM	AM	FM			
SENSITIVITY		Less than 18 μ V for 10 dB S/N	Less than 2.0 μ V for 12 dB SINAD	Less than 3.2 μ V for 10 dB S/N	Less than 0.5 μ V for 12 dB SINAD			
RECEIVE SYSTEM		Single-conversion superheterodyne		Double-conversion superheterodyne				
IF FREQ.	1st	455 kHz	10.7 MHz	59.55 MHz				
	2nd	—	—	455 kHz				
SELECTIVITY		More than 6 kHz/ - 6 dB	More than 200 kHz/ - 6 dB	More than 12.5 kHz/ - 6 dB				
		Less than 20 kHz/ - 40 dB	Less than 600 kHz/ - 20 dB	Less than 30 kHz/ - 60 dB				
SQUELCH SENSITIVITY		56 μ V (Fixed)	32 μ V (Fixed)	0.56 μ V (Fixed)	0.22 μ V	0.22 μ V	0.4 μ V	0.32 μ V
ANTENNA IMPEDANCE		50 Ω unbalanced						
USABLE TEMP. RANGE		- 10°C ~ + 60°C; + 14°F ~ + 140°F						
FREQUENCY STABILITY		\pm 10 ppm (- 10°C ~ + 60°C; + 14°F ~ + 140°F)						
POWER SUPPLY REQUIREMENT		13.8 V DC \pm 15% (The DC power is applied from the IC-901A/E.)						
AUDIO OUTPUT POWER		More than 2.4 W at 10% distortion with an 8 Ω load						
CURRENT DRAIN		Max. audio output: 1.8 A Squelched: 1.2 A (The current drain includes all current drain when operating with the IC-901A/E.)						
DIMENSIONS		177 (W) X 25 (H) X 171 (D)mm ; 7.0 (W) X 1.0 (H) X 6.7 (D) in (Projections not included)						
WEIGHT		1.0 kg ; 2.2 lb						